PROJECT DESCRIPTION GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF MD 30 (HANOVER PIKE) AT THE BLACK AND DECKER ENTRANCE IN CARROLL COUNTY.

INTERSECTION OPERATION

A CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE AS CONCURRENTLY, WHILE THE BLACK AND DECKER ENTRANCE AND HAMPSHIRE ROAD APPROACH SHALL OPERATE AS A SPLIT PHASE. VIDEO DETECTION SHALL BE INSTALLED FOR ACTUATION OF THE BLACK AND DECKER ENTRANCE AND HAMPSHIRE ROAD.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. JOHN CONCANNON. ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 624-8140/8141

MR. MARK FLACK, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION

PHONE: (301) 624-8200/8201 MR. DAVE COYNE. ASSISTANT DISTRICT ENGINEER - MAINTENANCE

PHONE: (301) 624-8105/8106

MR. JAMES BUCKALEW, UTILITY ENGINEER

PHONE: (301) 624-8115/8116 MR. ED RODENHIZER

PHONE: (410) 787-7652

MR. RICHARD L. DAFF. SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT	TO BE SUPPLIED BY THE ADMINISTRATION.			
ITEM NO.	DESCRIPTION		UNITS	QUANTITY
9025 9044 9570	50/60 MAST ARM TWIN X 23' - 0" POLE CONTROLLER CAB., SIZE 6 W/ VIDEO DET FLAT SHEET ALUMINUM GROUND MOUNTED S R3-3(4) (24"X30")	ECTION INTERFACE EQUIP.: 1-4 CAMERAS IGNS CONSISTING OF:	EA EA SF EA	1 1 5 1
9571	FLAT SHEET ALUMINUM MAST ARM / POLE M95-1 (72"X24") MAST ARM MOUNT	MOUNTED SIGNS CONSISTING OF:	SF EA	12 1

B. EQUIPMENT	TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.		
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001 2002 5001 5006 8001	MAINTENANCE OF TRAFFIC TEST PIT EXCAVATION REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH 24 IN. HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVE. MARK. CONCRETE FOUNDATION	EA CY LF LF CY	3 2 20 70 8
8008	INSTALL STEEL POLE & SINGLE OR TWIN MAST ARM (AS)	EA	. 1
8013 8014 8020 8022 8030 8031 8032 8034 8037 8039	PED POLE ANY SIZE REMOVE & DISPOSE MATERIAL & EQUIPMENT PER ASSIGNMENT WOOD SIGN SUPPORTS 4 INCH X 4 INCH NO. 6 AWG STRANDED BARE COPPER GROUND WIRE 2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED METERED SERVICE PEDESTAL ELECTRICAL CABLE 1 CONDUCTOR NO. 4 AWG-THHN/THWN	EELLLLLLLEL LLLLLEL	1 2 15 130 20 30 40 60 1 35
8045	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA SE	35 2 5
8047 8048 8049	INSTALL GROUND MOUNTED SIGN INSTALL OVERHEAD SIGN VIDEO DETECTION CAMERA	EA SF SF EA	12
8050 8069	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	Ë A E A	12 2 2 3
8071 8076 8079	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED) ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	EA	24 380 120
8080 8090 8093	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) INSTALL CONTROLLER AND CABINET - BASE MOUNT DISCONNECT. PULL BACK AND REROUTE CABLE	LF EA LF	440 1 75

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

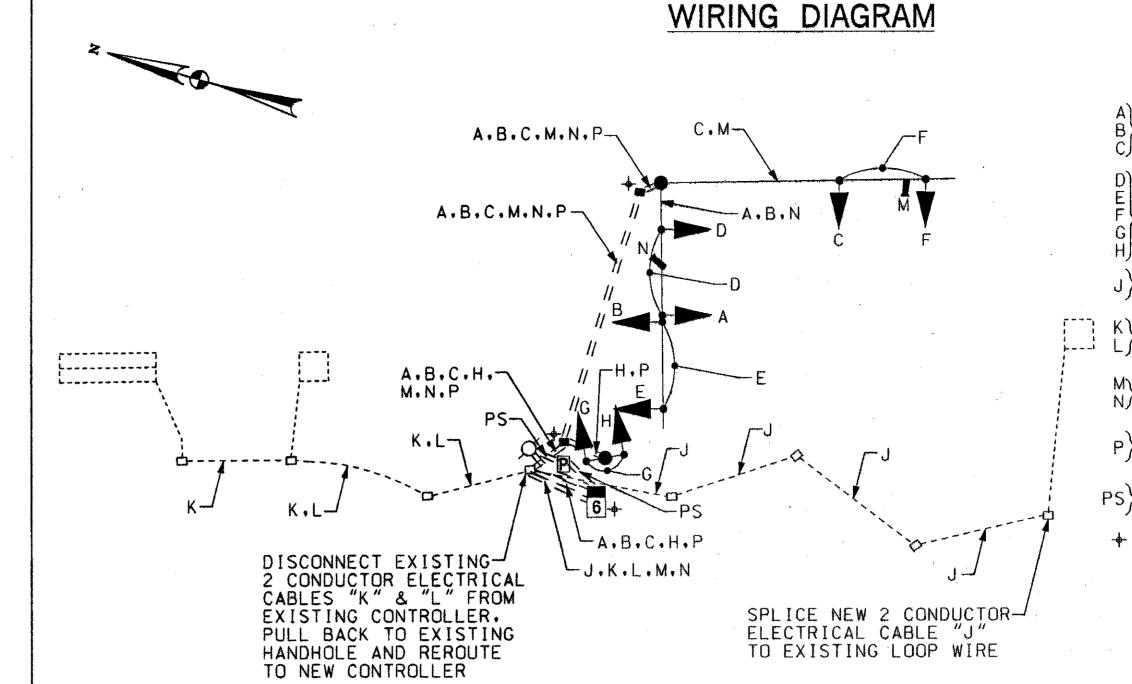
ITEM NO.

DESCRIPTION

CONTROLLER

QUANTITY

EΑ



CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

2 CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)

EXISTING 2 CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)

VIDEO DETECTION CABLE

1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE

POWER SERVICE UNDERGROUND 3 WIRE 1 CONDUCTOR (NO. 4 AWG) GROUND ROD

PHASE CHART

	R Y G	2 (R) (Y) (G)	3 R Y G	4 (R) (Y) (G)	5 (R) (Y) (G)	6 R Y G	7 (R) (Y) (G)	8 R Y G	
PHASE 2 AND 6	G	G	G	G	R	R	R	R	<u> </u>
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	
PHASE 3	R	R	R	R	R	R	G	G	
3 CHANGE	R	R	R	R	R	R	Υ	Y	+ ♥ _
PHASE 4	R	R	R	R	G	G	R	R	A
4 CHANGE	R	R	R	R	Y	Y	R	R	4
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	+ 4

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION MD 30 (HANOVER PIKE) AT

GENERAL INFORMATION PLAN

SCALE 1" = 20' DATE 10/01/04 CONTRACT NO. AT3585185

DESIGNED BY J. WEAVER DRAWN BY J. WEAVER CHECKED BY S. RENZI

COUNTY <u>CARROLL</u> LOGMILE <u>06003001.15</u> T.I.M.S. NO. <u>G463</u> TOD NO. _____

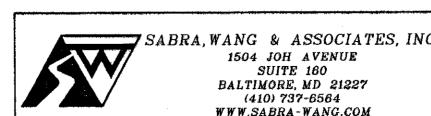
SHEET NO. 2 OF 2

PLOTTED: \$DATETIME\$
FILE: \$FILE\$

SHA#: CLTREASE/BOB

DRAWING NO. TS-3182C

TOD#: AT368-44



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